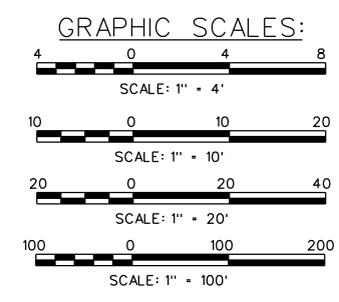


TYPICAL FARP LAYOUT
SCALE: 1" = 100'

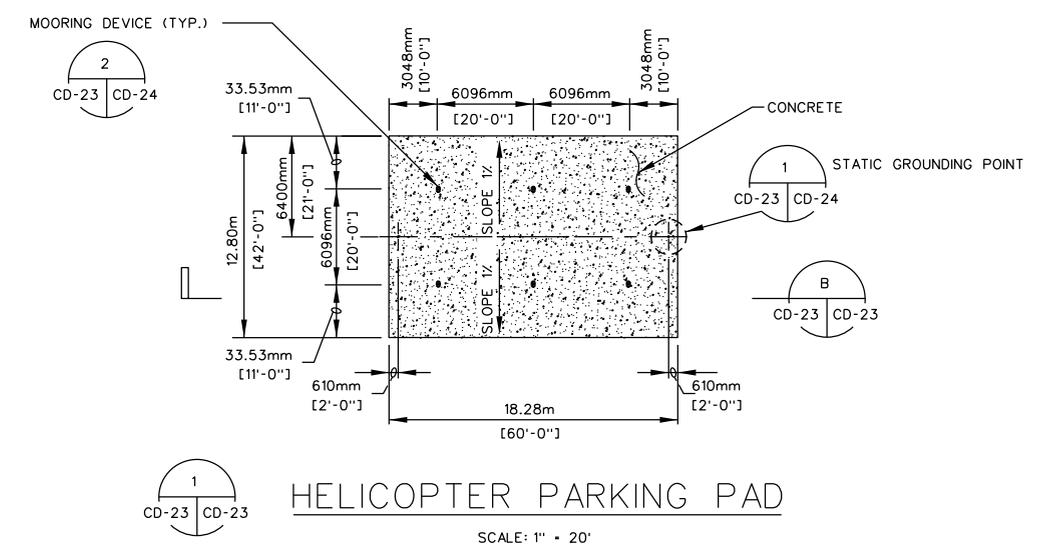


DESIGNER NOTES:

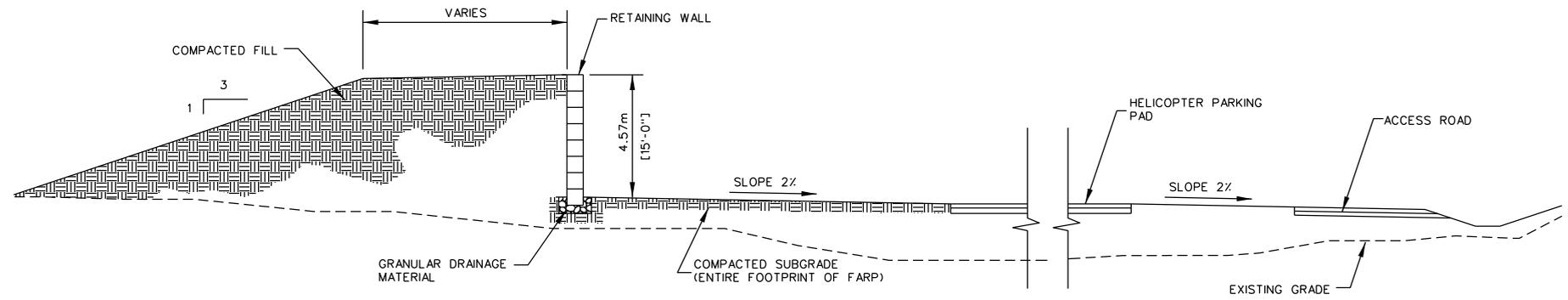
1. THE FARP BERM WALL MAY BE CONSTRUCTED FROM VARIOUS MATERIALS. HESCO TYPE BASKETS, CONCRETE BLOCKS, ETC. ARE ACCEPTABLE. THE DESIGNER SHALL EVALUATE THE SOIL TYPES FOUND AT THE SITE DURING THE SITE GEOTECHNICAL INVESTIGATION AND DETERMINE THE APPROPRIATE WALL DESIGN. HESCO TYPE BASKETS BACKED BY A CONCRETE WALL HAS BEEN SHOWN TO STOP A 2.75" ROCKET. 5.71 METERS (19 FEET) OF DIRT IS REQUIRED IF NO CONCRETE WALL IS INCLUDED.
2. BERM IS NOT REQUIRED IF FARP IS SITED SUCH THAT ROCKET SDZ IS NOT AN ISSUE.
3. THICKNESS OF CONCRETE WEARING SURFACE TO BE BASED ON SPECIFIC RECOMMENDATIONS FROM THE SITE GEOTECHNICAL INVESTIGATION.
4. DESIGNER SHALL GRADE AREA BETWEEN PADS AND WALL TO PROVIDE POSITIVE DRAINAGE. CULVERTS MAY BE REQUIRED DEPENDING ON SITE CONDITIONS.
5. ALL RETAINING WALLS MUST BE DESIGNED USING SITE SPECIFIC GEOTECHNICAL DESIGN PARAMETERS OBTAINED FROM A SUBSURFACE INVESTIGATION. RETAINING WALLS MAY BE CONSTRUCTED OF TREATED TIMBERS, RAILROAD TIES, CAST-IN-PLACE CONCRETE OR PRECAST CONCRETE.
6. BERM SLOPES SHOWN AS 3:1. SLOPES MAY VARY AS REQUIRED BY SITE SPECIFIC GEOTECHNICAL REPORT.
7. DESIGNER SHALL ACCOUNT FOR OVERTURNING MOMENT IN THE DESIGN OF THE RETAINING WALL AND ADD STABILIZATION TO THE WALL AS REQUIRED.
8. THICKNESS OF BASE AND SUBGRADE COMPACTION UNDER WALL IS DEPENDENT ON WEIGHT OF WALL SECTION BEING USED AND SOILS CONDITIONS. ENSURE ADEQUATE FOUNDATION IS PROVIDED FOR WALL SYSTEM UTILIZED IN DESIGN.
9. DESIGNER SHALL DETERMINE WHETHER A DRAINAGE LAYER IS REQUIRED BEHIND THE RETAINING WALL AND SHALL INCLUDE IN DESIGN DOCUMENTS.
10. THE AIRCRAFT APPROACH AND DEPARTURE PATHS MUST BE COORDINATED WITH THE INSTALLATION PROCEDURES. COORDINATE APPROPRIATE OBSTRUCTION CLEARING WITH THE INSTALLATION SAFETY AND RANGE CONTROL.

GENERAL NOTES:

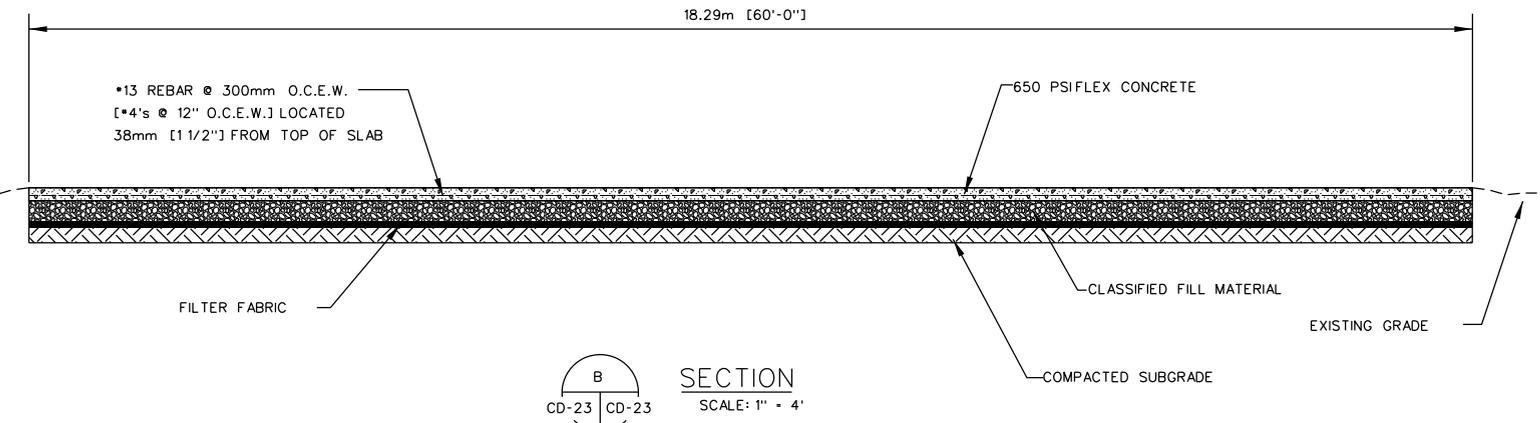
1. CONCRETE SHALL DEVELOP A MINIMUM FLEXURAL STRENGTH OF 4.4 MPa [650PSI] IN 28 DAYS.
2. ALL REINFORCING STEEL SHALL BE PER ASTM A615, GRADE 60.
4. AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED OR RESURFACED CONSISTENT WITH THE NATURAL SURROUNDINGS.
5. ALL DIMENSIONS ARE INDICATED AS FOLLOWS: METRIC [ENGLISH] UNITS FOR INSTANCE, 1372mm [4'-6"]



HELICOPTER PARKING PAD
SCALE: 1" = 20'



SECTION A-A
SCALE: 1" = 10'



SECTION B-B
SCALE: 1" = 4'

Rev.	Description	Date	Approved

Designed by:	Date:	Rev.:
Drawn by:	Design no.:	
Reviewed by:	Drawing code:	
Submitted by:	File name:	Plot scale:

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA
JULY 2011

RANGE AND TRAINING LAND PROGRAM STANDARD DESIGN MANUAL
FARP - LAYOUT AND SECTIONS

Sheet reference number:
CD-23